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PATENT ABSTRACTS OF JAPAN(21) Application number: **05251972**(51) Intl. Cl.: **B08B 3/12 B01D 19/00 B01D**(22) Application date: **07.10.93**

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(54) ULTRASONIC WASHING DEVICE

(57) Abstract:

PURPOSE: To enhance ultrasonic washing efficiency by adding a degassing device in a washing apparatus wherein a solid to be washed is immersed in a liquid to be washed by ultrasonic waves advancing through the liquid.

CONSTITUTION: The ultrasonic energy emitted from an ultrasonic generation part 2 is propagated through a liquid 3 to irradiate a solid 5 to be washed. In the degassing part 10 arranged in a washing tank part 1, the liquid in the washing tank part is internally refluxed and circulated to the degassing module 13 in the degassing part 10 by a liquid pump 11 and, at the same time, gasified dissolved gas is sucked under vacuum so as to be externally refluxed to the degassing module by a degassing pump 12 to degass the dissolved gas in the liquid to the outside.